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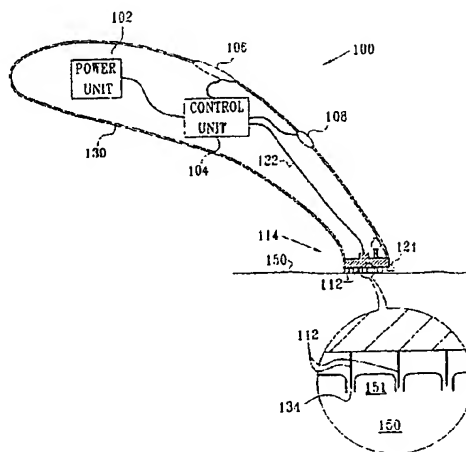
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ning of each regular issue of the PCT Gazette.

(54) Title: HANDHELD TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION



(57) Abstract: Apparatus (20) for application to skin of a subject is provided. The apparatus includes a board (30) having a first surface and a second surface, the first surface including a plurality of ablation electrodes (41), which are adapted to be applied to the skin, and the second surface including one or more contact pads (32), each one of the contact pads electrically coupled to at least one of the ablation electrodes. The apparatus further includes one or more driving electrodes (28). An energy applicator (e.g., motor 22), coupled to the driving electrodes, is adapted to pass the driving electrodes over the contact pads. A power source (e.g., power unit 102) is adapted to drive a current from the driving electrodes, to the contact pads, and to the ablation electrodes. The current is capable of ablating at least a portion of stratum corneum of the skin in a vicinity of the ablation electrodes, so as to facilitate transdermal transport of a substance.

WO 2003/089043 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 707/102

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 707/100, 101, 102.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,666,543 A (GARTLAND) 09 September 1997 (09.09.1997), columns 6-8.	1-31
Y	US 6,339,775 B1 (ZAMANIAN et al) 15 January 2002 (15.01.2002), columns 4-6.	1-31

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